

MSDS for: BASAGRAN HERBICIDE

Material Safety Data Sheet

BASAGRAN(R) HERBICIDE

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PRODUCT NUMBER: 598142

PRODUCT NAME: BASAGRAN(R) HERBICIDE

DATE PREPARED: 05/04/87

DATA REVISED: 11/02/99

SECTION I

TRADE NAME: BASAGRAN(R) HERBICIDE

CHEMICAL NAME: See SECTION II - Ingredients

SYNONYMS: Sodium Bentazon (active ingredient), BAS 351 32H
(formulation)

FORMULA: C(10)H(11)N(2)Na O(3)S Sodium Bentazon

CHEMICAL FAMILY: Benzothiadiazole

MOL. WGT.: 262.2 Sodium Bentazon

SECTION II INGREDIENTS

COMPONENT % PEL/TLV-SOURCE
Sodium Bentazon
CAS #50723-80-3 44 5 mg/m3 BASF Corp.
recommendation
Inerts
CAS # N/A 56 N/E
CHEMICAL NAME: {3-(1-methylethyl)-1H-2,1,3-benzothiazidin-4(3H)-one
2,2-dioxide}
SARA TITLE III SECTION 313: Not listed.

SECTION III PHYSICAL DATA

BOILING/MELTING POINT @ 760 MM HG: 212 deg. F

pH: 8-9

VAPOR PRESSURE MM HG @ 20 DEG. C: N/D

SPECIFIC GRAVITY OR BULK DENSITY:

G/ML: 1.19

LB/GAL: 9.9

SOLUBILITY IN WATER: Infinite

APPEARANCE: Brown liquid

ODOR: Unusual-sweet

INTENSITY: Mild

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N/D

AUTOIGNITION TEMPERATURE: N/D

FLAMMABILITY LIMITS IN AIR (% BY VOL): None listed.

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NFPA 30 STORAGE CLASSIFICATION: Class III B
EXTINGUISHING MEDIUM: Use water fog, foam, CO2 or dry chemical
extinguishing media.
SPECIAL FIREFIGHTING PROCEDURES: Firefighters should be equipped
with self-contained breathing apparatus and turnout gear.
UNUSUAL FIRE EXPLOSION HAZARD: None

SECTION V HEALTH DATA

TOXICOLOGICAL TEST DATA:

RAT, ORAL LD50: 2,063 mg/kg
RAT, DERMAL LD50: > 10,000 mg/kg
MOUSE, INHALATION LC50: > 8 mg/L
RABBIT, EYE IRRITATION: Mild irritation
RABBIT, SKIN IRRITATION: Mild irritation
OSHA, NTP OR IARC CARCINOGEN: Not listed.
EFFECTS OF OVEREXPOSURE: SEE PRODUCT LABEL AND DIRECTIONS FOR USE
FOR ADDITIONAL PRECAUTIONARY STATEMENTS.
PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION. Harmful if
swallowed or absorbed through skin. Causes moderate eye
irritation. Avoid contact with eyes, skin or clothing.
Prolonged or frequently repeated skin contact may cause
allergic reactions in some individuals.

EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO THIS MATERIAL:

No information found for this mixture.

FIRST AID PROCEDURES: STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a Poison Control Center or doctor
immediately for treatment advice. Have person sip a glass
of water if able to swallow. DO NOT INDUCE VOMITING unless
told to by a Poison Control Center or doctor.
IF ON SKIN: Take off contaminated clothing. Rinse skin
immediately with plenty of water for 15-20 minutes. Call a
Poison Control Center or doctor for treatment advice.
IF IN EYES: Hold eye open and rinse slowly and gently with
water for 15-20 minutes. Remove contact lenses, if
present, after first 5 minutes, then continue rinsing. Call
a Poison Control Center or doctor for treatment advice.
IF INHALED: Move person to fresh air. If person is not
breathing, call 911 or an ambulance, then give artificial
respiration, preferable mouth-to-mouth if possible. Call a
Poison Control Center or doctor for further treatment
advice.

NOTE: Have the product container or label with you when calling a
Poison Control Center or doctor or going for treatment.

SECTION VI REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Do not allow to freeze.
CHEMICAL INCOMPATIBILITY: Per label, use only with recommended
surfactants.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may generate SO(2).
HAZARDOUS POLYMERIZATION: Does not occur.
CONDITIONS TO AVOID: N/A

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CORROSIVE TO METAL: No

OXIDIZER: No

SECTION VII PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS MUST REFER TO THE PRODUCT LABEL AND DIRECTIONS FOR USE ATTACHED TO THE PRODUCT FOR AGRICULTURAL USE REQUIREMENTS IN ACCORDANCE WITH THE EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS:

RESPIRATORY PROTECTION: Supplied air respirators should be worn if large quantities of mist are generated or prolonged exposure possible.

EYE PROTECTION: Chemical goggles when respirator does not provide eye protection.

PROTECTIVE CLOTHING: Gloves, long sleeved shirt and slacks.

VENTILATION: Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

SECTION VIII ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA: BASAGRAN(R) HERBICIDE is not acutely toxic to fish or wildlife.

THE FOLLOWING DATA IS AVAILABLE FOR THE ACTIVE INGREDIENT:

AQUATIC TOX: (Relatively non-toxic to aquatic organisms)

RAINBOW TROUT, 96 HOUR LC50: > 100 mg/L

BLUEGILL SUNFISH, 96 HOUR LC50: > 100 mg/L

DAPHNIA MAGNA, 48 HOUR EC50: > 500 mg/L

ALGAE, 96 HOUR EC50: > 30 mg/L

AVIAN TOX:

BOBWHITE QUAIL, LD50: 1,140 mg/kg

BOBWHITE QUAIL, LC50: > 5,000 mg/L

MALLARD DUCK, LC50: > 5,000 mg/L

ENVIRONMENTAL FATE: Soil - aerobic photodegradation - life 4 months. Hydrolysis does not occur; do not contaminate groundwater.

SARA 311/312 REPORTING:

FIRE: No

PRESSURE: No

REACTIVITY: No

ACUTE: Yes

CHRONIC: No

TPQ (LBS): 10,000

SPILL AND LEAK PROCEDURES: Spills should be contained in suitable containers for disposal. The material is not regulated under RCRA or CERCLA ('Superfund').

HAZARDOUS SUBSTANCE SUPERFUND: No

RQ (LBS): None

WASTE DISPOSAL METHOD: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

HAZARDOUS WASTE 40 CFR 261: No

HAZARDOUS WASTE NUMBER: None

CONTAINER DISPOSAL: Triple rinse container (or equivalent). Then

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offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State or Local authorities, by burning. If burned, stay out of smoke.

SECTION IX SHIPPING DATA - PACKAGE AND BULK

DOT PROPER SHIPPING NAME (49 CFR 172.101-102): None
HAZARDOUS SUBSTANCE (49 CFR CERCLA LIST): None
RQ (LBS): None
DOT HAZARD CLASSIFICATION (CFR 172.101-102): None
DOT LABELS REQUIRED (49 CFR 172.101-102): None
DOT PLACARDS REQUIRED (CFR 172.504): None
POISON CONSTITUENT (49 CFR 172.203(K)): None
BILL OF LADING DESCRIPTION: Compounds, Tree and Weed Killing, NOIBN
(Herbicide)
CC. NO.: 431
UN/NA CODE: None

SECTION X ADDITIONAL INFORMATION

BASAGRAN(R) HERBICIDE
EPA REG. NO.: 7969-45
KEEP OUT OF REACH OF CHILDREN. CAUTION.
Complete Label and Directions For Use are attached to the product.
AGRICULTURAL USE REQUIREMENTS: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under 'Agricultural Use Requirements' in the Directions for Use section for information about the standard.
N/A=Not Applicable
N/D=Not Determined
N/E=Not Established

DISCLAIMER: IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.